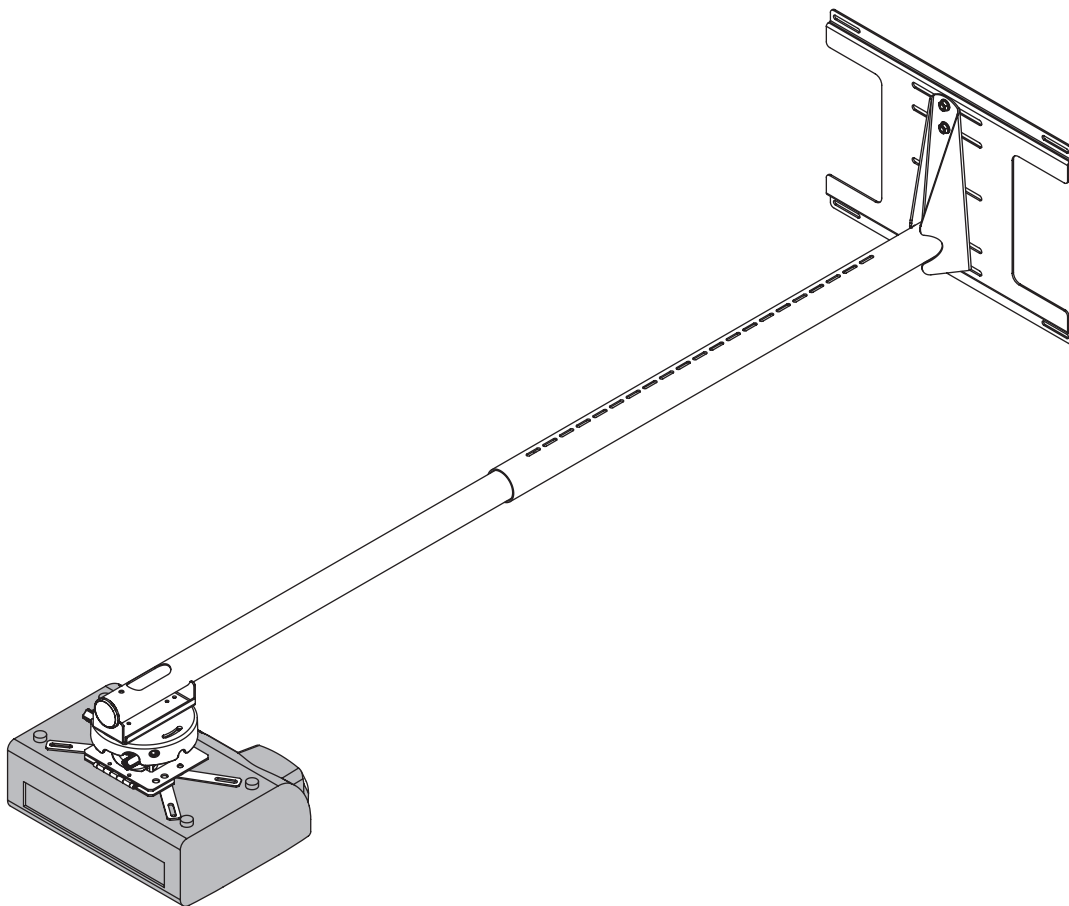




Installation and Assembly: Dual Stud Short Throw Projector Wall Mount

Model: BM-3001N



This product is intended for use with UL Listed products and must be installed by a qualified professional installer.

Maximum UL Load Capacity:
35 lb (15.8 kg)

Note: Read entire instruction sheet before you start installation and assembly.

WARNING

- Do not begin to install your Peerless product until you have read and understood the instructions and warnings contained in this Installation Sheet. If you have any questions regarding any of the instructions or warnings, please call Peerless customer care at 1-800-865-2112.
- This product should only be installed by someone of good mechanical aptitude, has experience with basic building construction, and fully understands these instructions.
- Make sure that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.
- Never exceed the Maximum UL Load Capacity. See page 1.
- If mounting to wood studs, make sure that mounting screws are anchored into the center of the studs. Use of an “edge to edge” stud finder is highly recommended.
- Always use an assistant or mechanical lifting equipment to safely lift and position equipment.
- Tighten screws firmly, but do not overtighten. Overtightening can damage the items, greatly reducing their holding power.
- This product is intended for indoor use only. Use of this product outdoors could lead to product failure and personal injury.
- This product was designed and intended to be mounted to the following supporting surfaces checked below with the hardware included in this product as specified in the installation sheet. To mount this product to an alternative supporting surface, contact Peerless customer care at 1 800 865-2112.
- This product was designed to be installed on the following wall construction only;

WALL CONSTRUCTION

ADDITIONAL HARDWARE REQUIRED

<input checked="" type="checkbox"/> Wood Stud	None
<input checked="" type="checkbox"/> Solid Concrete	None
<input checked="" type="checkbox"/> Cinder Block	None
<input type="checkbox"/> Metal Stud	Contact Customer Service (Not Evaluated By UL)
<input type="checkbox"/> Brick	Contact Customer Service (Not Evaluated By UL)
<input type="checkbox"/> Other or unsure?	Contact Customer Service

Tools Needed for Assembly

- stud finder (“edge to edge” stud finder recommended)
- level
- drill
- 5/32” bit (wood installation)
- 1/4” bit (concrete/cinder block installation)
- phillips screwdriver

Accessories

- WSP320
(required for installation to metal studs) (Not Evaluated by UL)
- ACC-MIS550
(required for installation to metal studs) (Not Evaluated by UL)
- ACC020 Projector Security Cable (Not Evaluated by UL)
- WBK100
(wall plate accessory kit) (Not Evaluated by UL)

Table of Contents

Parts List.....	3
Installation to Wood	4
Installation to Concrete/Cinder Block	5
Assembly of Adjustment Tube	8
Installing Projector Mount	8
Routing Cables.....	9

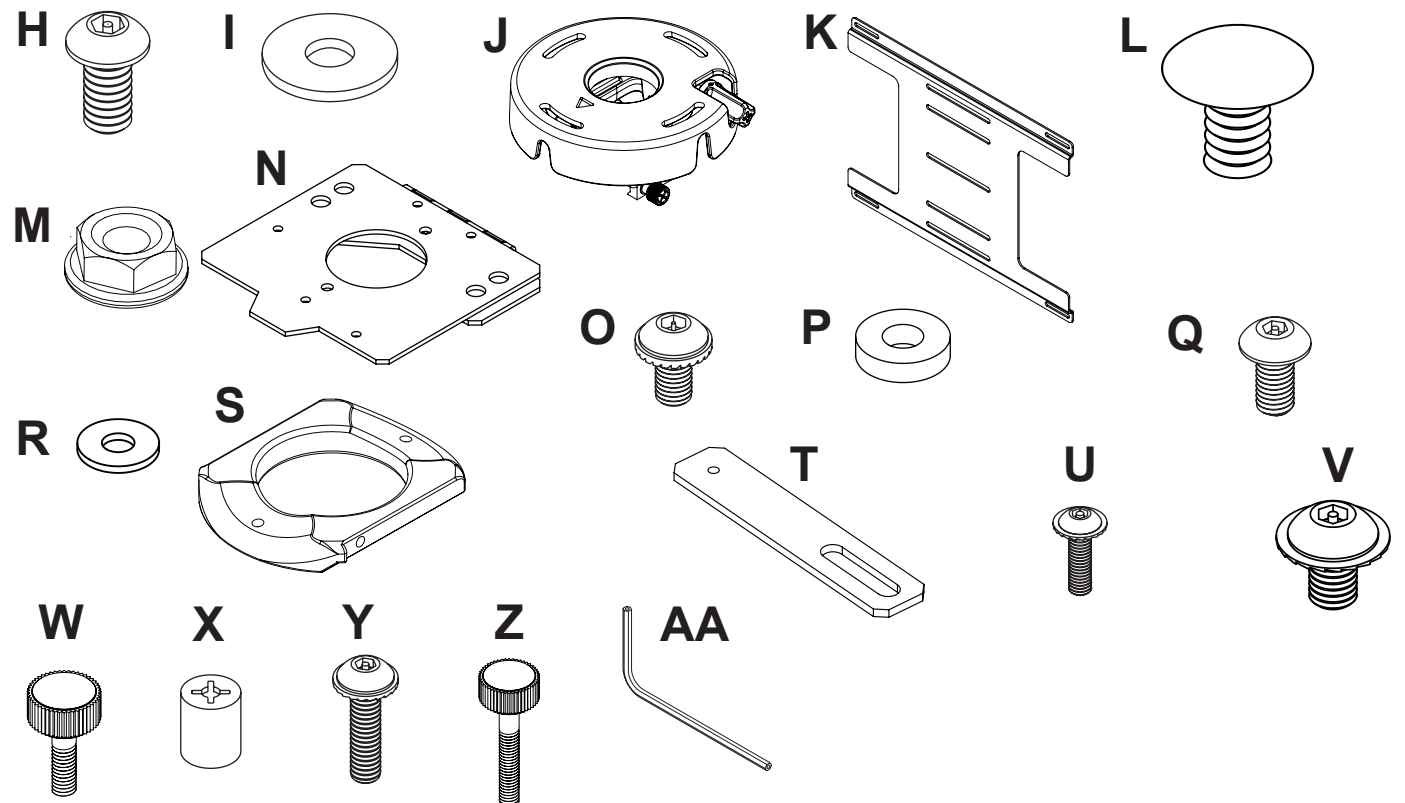
Compatible Projector Models: EX525ST, TX610ST, TW610ST

Before you start check the parts list to insure all of the parts shown are included.

Parts List

Description	Qty.	Part #
A wall arm	1	055-1912
B adjustment tube	1	055-1911
C 4 mm allen wrench	1	560-9646
D M5 x 10 mm serrated socket pin screw	2	510-1126
E #14- x 2.5 phillips head wood screw	4	5S1-015-C03
F tube cap	1	590-1263
G concrete anchor	4	590-0320
H 1/4"-20 socket pin screw	2	520-1054
I 1/4"-20 flat washer	2	540-1078
J precision gear projector mount	1	055-KPRGU-B-3
K wall plate	1	055-1923
L 5/16 -18 x 1/2 carriage bolt	4	520-9207
M 5/16 - 18 serrated flanged lock nut	4	530-1016
N adapter plate	1	XXX-XXXX
O 10-32 x 3/8" socket pin serrated washer head screw	2	520-1151
P .219 ID x .5 OD x .125 spacer	6	540-1032
Q 10-32 x 1/4" socket pin with lock patch	1	520-1196
R #8 flat washer	8	540-1001
S connection block	1	580-1065
T extension bracket	4	055-1940
U M3 x 12 mm socket pin serrated washer head screw	4	510-1003
V M4 x 8 mm socket pin serrated washer head screw	4	510-1005
W M4 x 12 mm knob	2	560-1154
X .198 x .313 x .375 spacers	1	590-2020
Y M4 x 16mm screw	4	510-1087
Z M3 x 20 mm knob	1	560-1149
AA 2 mm allen wrench	1	560-1097

NOTE: Some parts may appear slightly different than illustrated.



Installation to Wood Stud Walls

⚠ WARNING

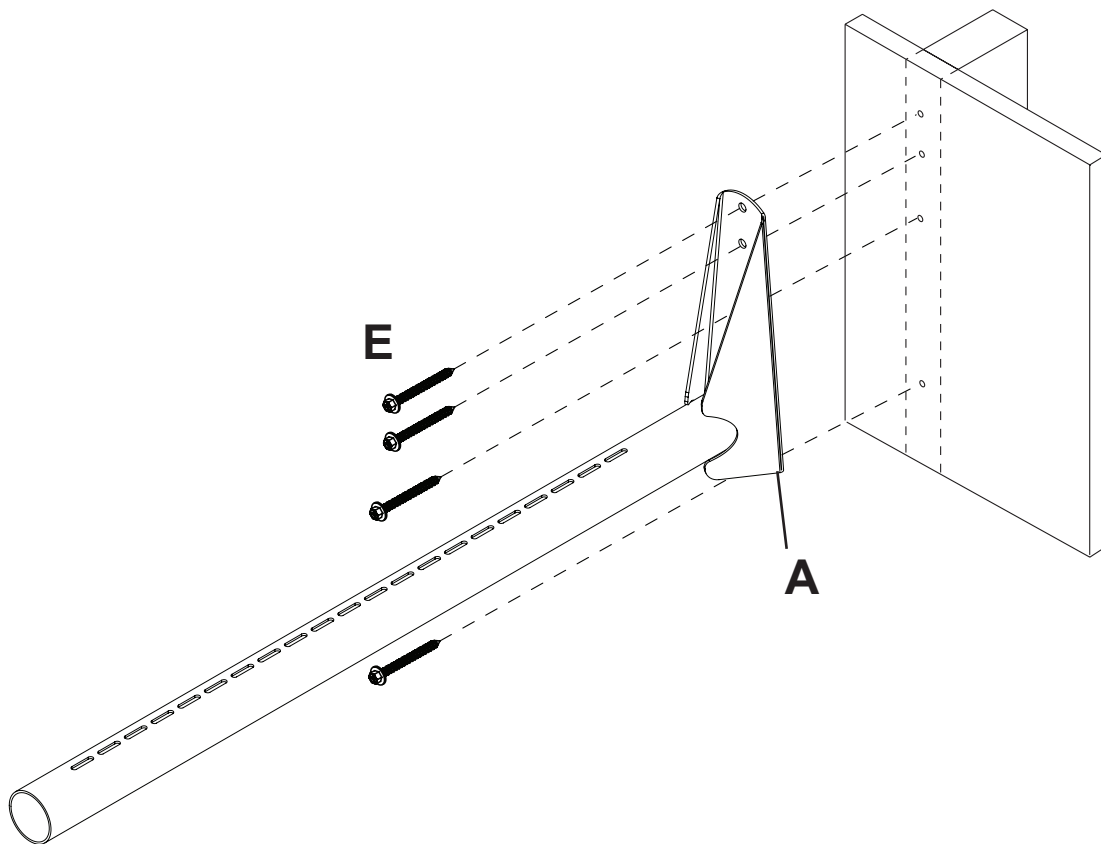
- Installer must verify that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.
- Tighten wood screws so that wall plate is firmly attached, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Never tighten in excess of 80 in. • lb (9 N.M.).
- Make sure that mounting screws are anchored into the center of the stud. The use of an “edge to edge” stud finder is highly recommended.
- Hardware provided is for attachment of mount through standard thickness drywall or plaster into wood studs. Installers are responsible to provide hardware for other types of mounting situations (Not Evaluated By UL).

Note: For mounting using wall plate (K), refer to page 6.

- 1** Use a stud finder to locate the edges of the stud. Use of an edge-to-edge stud finder is highly recommended. Based on its edges, draw a vertical line down the stud's center. Place wall arm (A) on wall as a template. Mark the center of the four mounting holes. Drill four 5/32" (4 mm) dia. holes 2-1/2" (65 mm) deep. Secure wall arm (A) to wood stud using four #14 x 2-1/2" wood screws (E) as shown.

Optional: Rotate wall arm 180° to position the arm closer to the ceiling.

Skip to Step 2.



Installation to a concrete or cinder block wall

⚠ WARNING

- When installing Peerless wall mounts on cinder block, verify that you have a minimum of 1-3/8" of actual concrete surface in the hole to be used for the concrete anchors. Do not drill into mortar joints! Be sure to mount in a solid part of the block, generally 1" minimum from the side of the block. Cinder block must meet ASTM C-90 specifications. It is suggested that a standard electric drill on slow setting is used to drill the hole instead of a hammer drill to avoid breaking out the back of the hole when entering a void or cavity.
- Concrete must be 2000 psi density minimum. Lighter density concrete may not hold concrete anchor.
- Make sure that the wall will safely support four times the combined load of the equipment and all attached hardware and components.

Note: For mounting using wall plate (K), refer to page 6.

- 1** Drill four 5/16" (8 mm) dia. holes to a minimum depth of 2.5" (64 mm). Insert anchors (G) in holes flush with wall as shown. Attach wall arm (A) using four #14 x 2 -1/2" wood screws (E) as shown in **Illustration A** and 1, 2, and 3. Tighten all fasteners. **Optional:** Rotate wall arm 180° to position the arm closer to the ceiling.

⚠ WARNING

- Tighten wood screws firmly, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Never tighten in excess of 80 in • lb (9 N.M.).

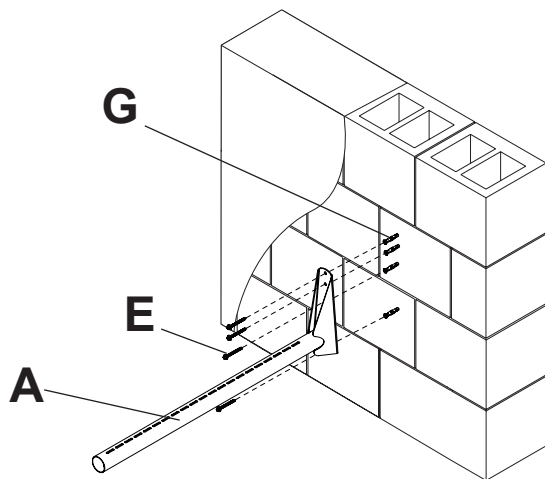
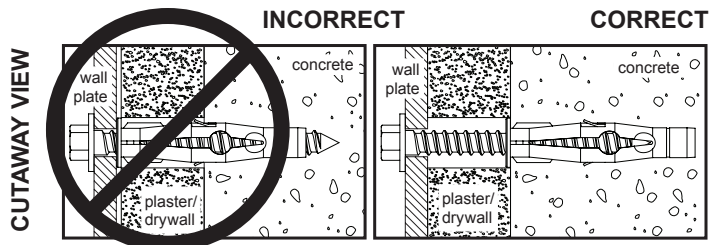
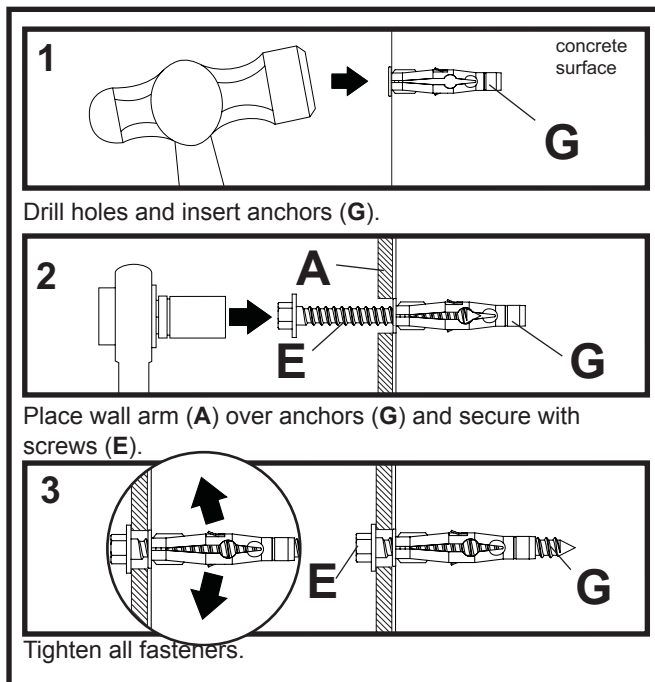


Illustration A

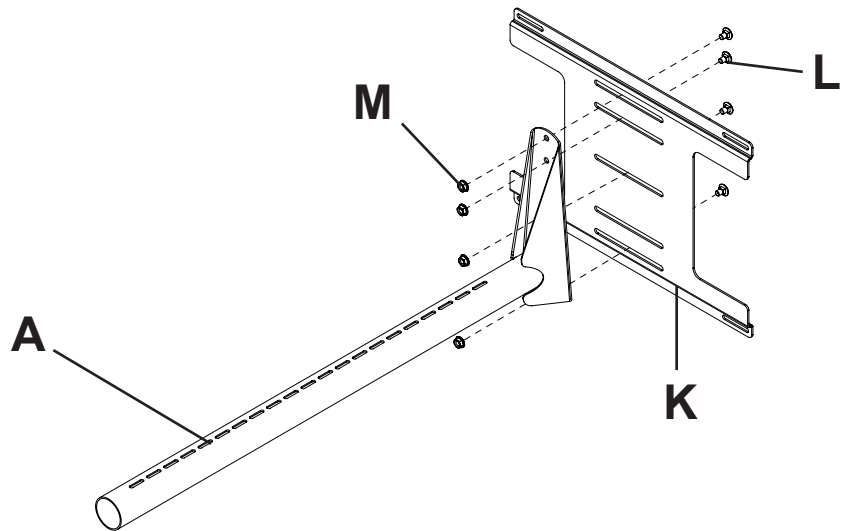
⚠ WARNING

- Concrete anchors are **not** intended for attachment to concrete wall covered with a layer of plaster, drywall, or other finishing material. If mounting to concrete wall covered with plaster/drywall is unavoidable (Not Evaluated By UL), plaster/drywall (up to 5/8" thick) must be counterbored as shown right. If plaster/drywall is thicker than 5/8", custom fasteners must be supplied by installer (Not Evaluated By UL).



Installation to Wall Plate

- 1** Secure wall arm (A) to wall plate (K) using four carriage bolts (L) and lock nuts (M).



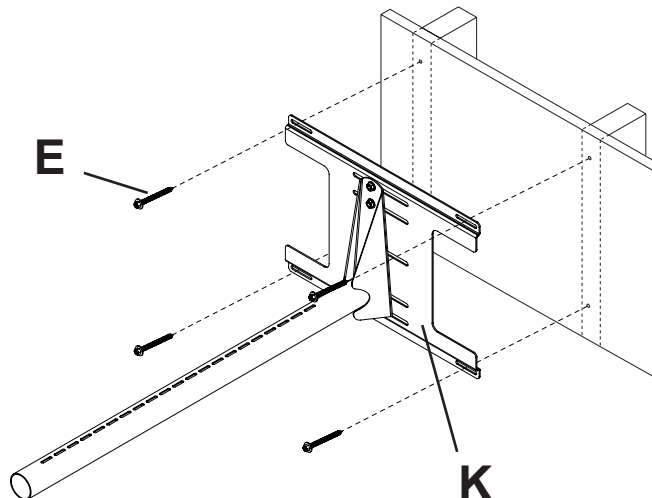
Installation to Wood Stud Walls

⚠ WARNING

- Installer must verify that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.
- Tighten wood screws so that wall plate is firmly attached, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Never tighten in excess of 80 in. • lb (9 N.M.).
- Make sure that mounting screws are anchored into the center of the stud. The use of an “edge to edge” stud finder is highly recommended.
- Hardware provided is for attachment of mount through standard thickness drywall or plaster into wood studs. Installers are responsible to provide hardware for other types of mounting situations. (Not Evaluated By UL)

- 1-1** Use a stud finder to locate the edges of the stud. Use of an edge-to-edge stud finder is highly recommended. Based on its edges, draw a vertical line down the stud's center. Place wall plate (K) on wall as a template. Mark the center of the four mounting holes. Drill four 5/32" (4 mm) dia. holes 2-1/2" (65 mm) deep. Secure wall plate (K) to wood stud using four #14 x 2-1/2" wood screws (E) as shown. Skip to Step 2.

Optional: Rotate wall arm 180° to position the arm closer to the ceiling.



Installation to a concrete or cinder block wall

⚠ WARNING

- When installing Peerless wall mounts on cinder block, verify that you have a minimum of 1-3/8" of actual concrete surface in the hole to be used for the concrete anchors. Do not drill into mortar joints! Be sure to mount in a solid part of the block, generally 1" minimum from the side of the block. Cinder block must meet ASTM C-90 specifications. It is suggested that a standard electric drill on slow setting is used to drill the hole instead of a hammer drill to avoid breaking out the back of the hole when entering a void or cavity.
- Concrete must be 2000 psi density minimum. Lighter density concrete may not hold concrete anchor.
- Make sure that the wall will safely support four times the combined load of the equipment and all attached hardware and components.

- 1-2** Drill four 5/16" (8 mm) dia. holes to a minimum depth of 2.5" (64 mm). Insert anchors (**G**) in holes flush with wall as shown. Attach wall plate (**K**) using four #14 x 2 -1/2" wood screws (**E**) as shown in **Illustration A** and **1, 2, and 3**. Tighten all fasteners.

Optional: Rotate wall arm 180° to position the arm closer to the ceiling.

⚠ WARNING

- Tighten wood screws firmly, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Never tighten in excess of 80 in • lb (9 N.M.).

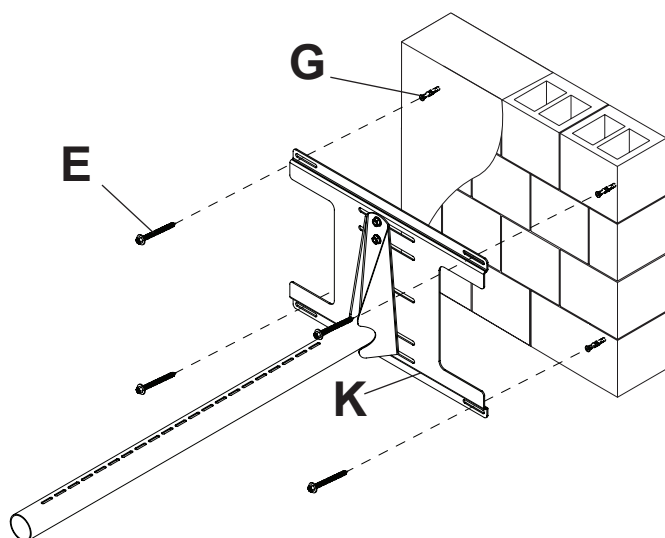
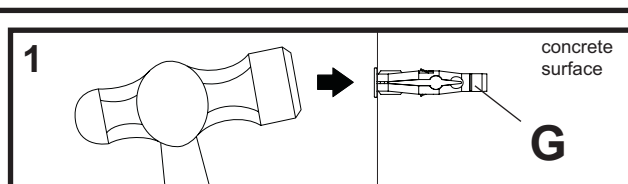
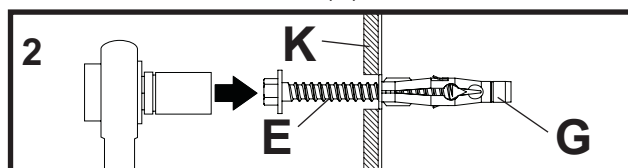


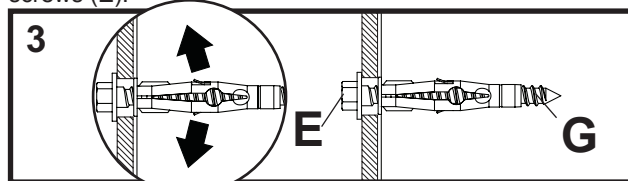
Illustration A



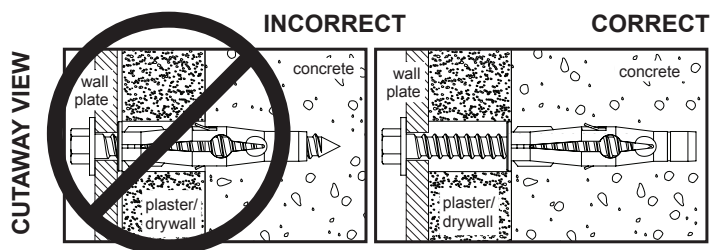
Drill holes and insert anchors (**G**).



Place wall plate (**K**) over anchors (**G**) and secure with screws (**E**).



Tighten all fasteners.



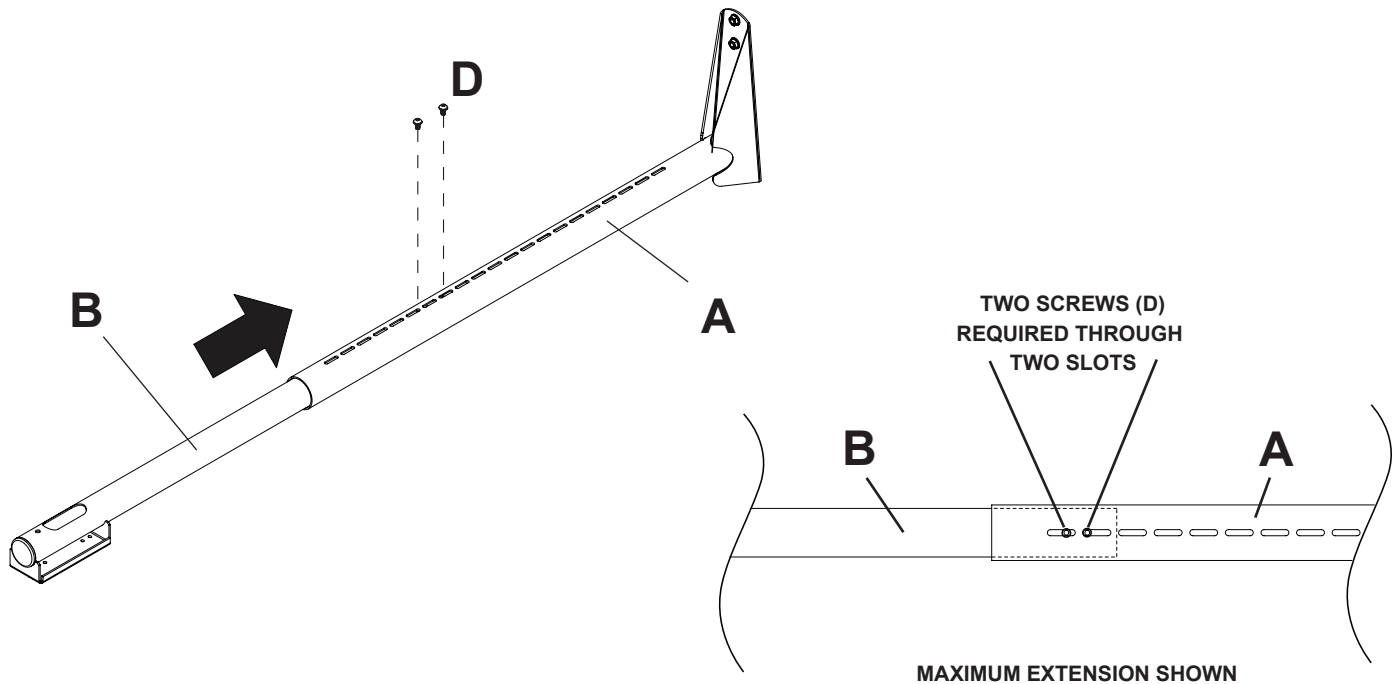
⚠ WARNING

- Concrete anchors are **not** intended for attachment to concrete wall covered with a layer of plaster, drywall, or other finishing material. If mounting to concrete wall covered with plaster/drywall is unavoidable (Not Evaluated By UL), plaster/drywall (up to 5/8" thick) must be counter bored as shown right. If plaster/drywall is thicker than 5/8", custom fasteners must be supplied by installer (Not Evaluated By UL).

Assembly of Adjustment Tube

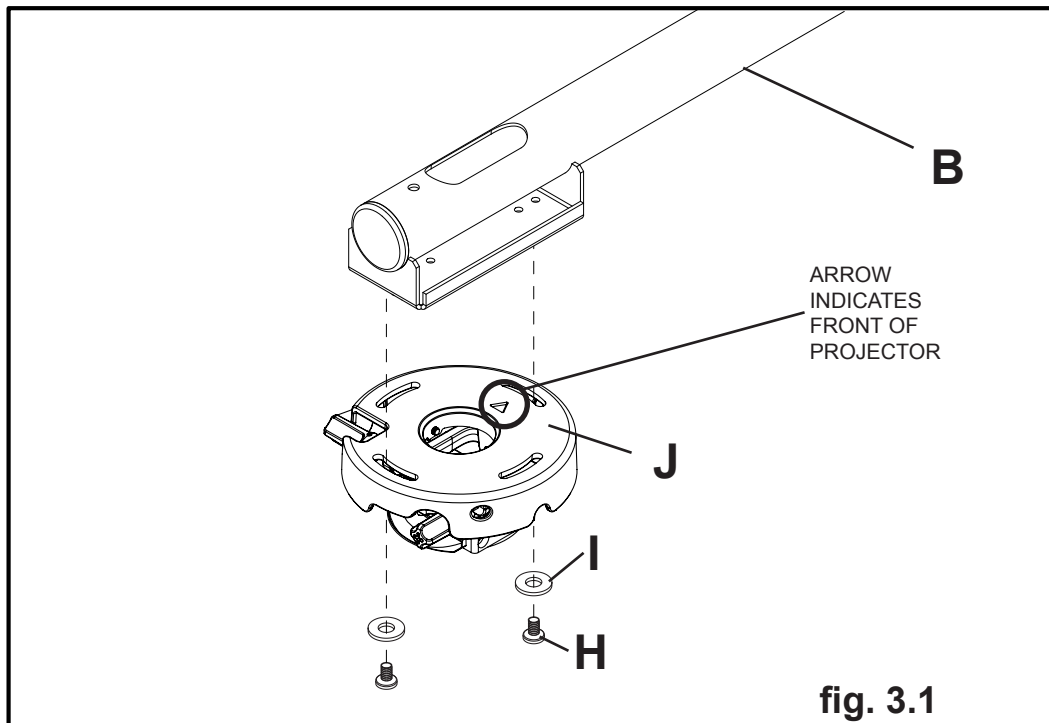
- 2** Slide adjustment tube (B) into wall arm (A) and adjust to the desired projector throw distance as shown. Using two separate slots on wall arm (A), lock position using two M5 x 10 mm screws (D) as shown below.

Note: Securing adjustment tube (B) into wall arm (A) requires two slots.



Installing Precision Gear Projector Mount

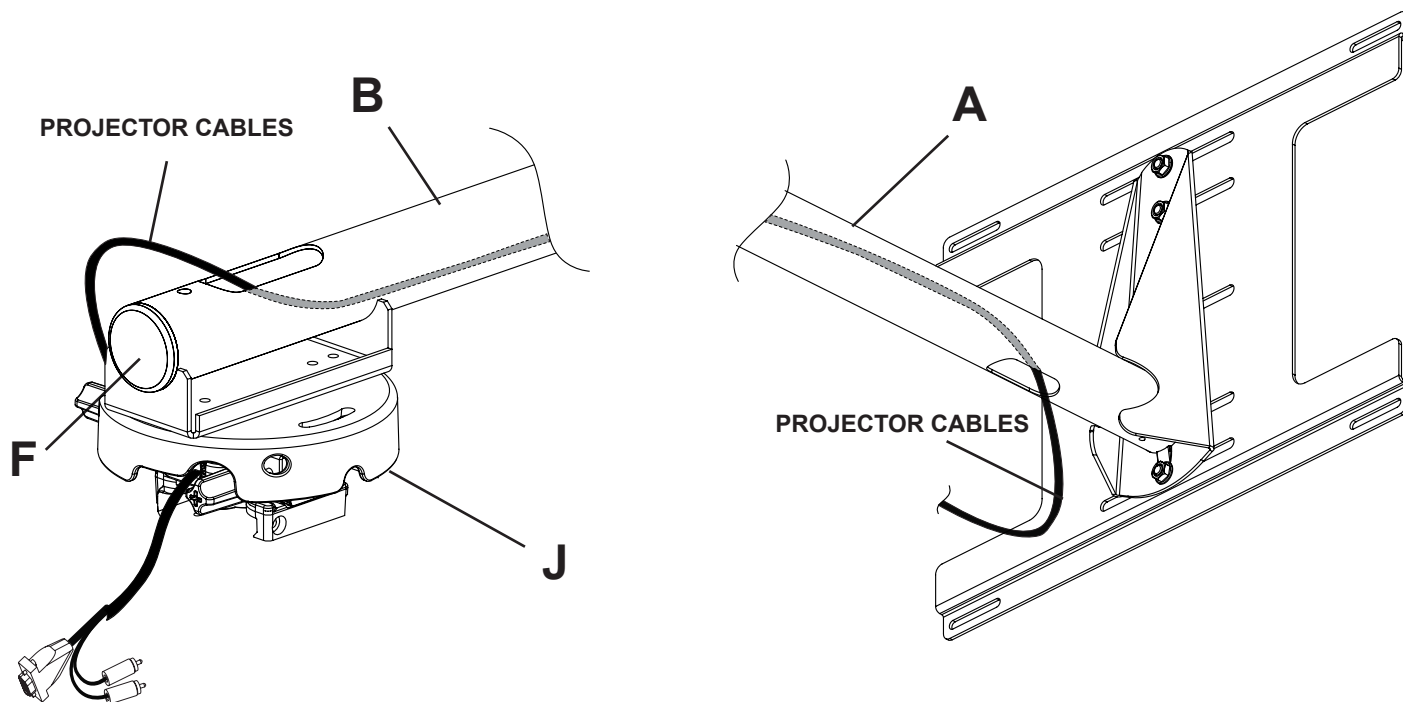
- 3** Installing PRG projector mount to wall arm assembly: Attach precision gear projector mount (J) to adjustment tube (B) using two 1/4-20 socket pin screws (H) and two flat washers (I) as shown in Figure 3.1.



Routing Cables

- 4** **Routing Cables through precision gear projector mount (J) and wall arm assembly:** Guide projector cables into openings in projector mount and wall arm assembly as shown below. Insert tube cap (F) into end of adjustment tube (B).

Note: Cables must be removed from projector before routing through wall arm.

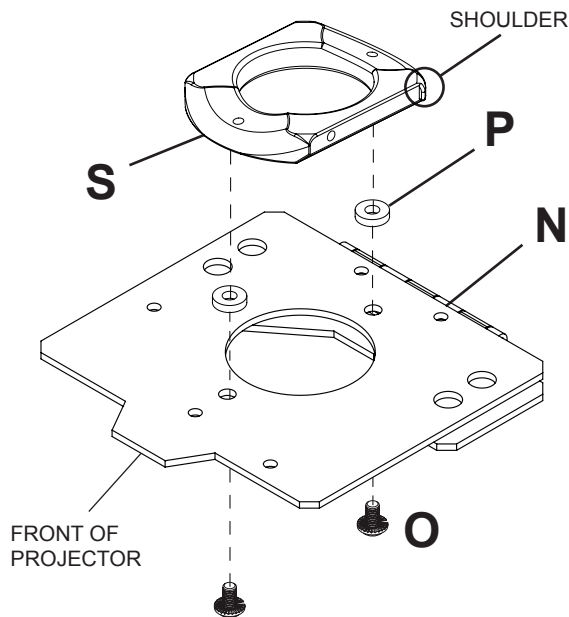


- 5** Check your projector for the corresponding configuration and page.

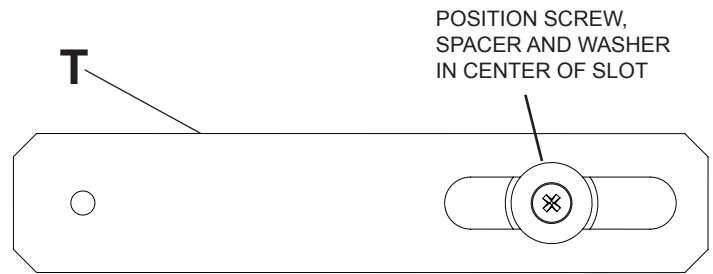
Model	Configuration	Page
EX525ST	1	10
TW610ST	2	11
TX610ST	2	11

Configuration 1

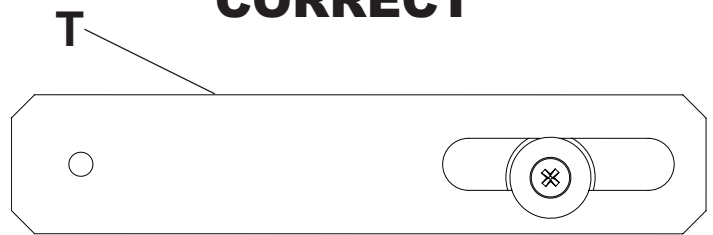
- 6** Attach connection block (S) to adapter plate (N) using two #10-32 x 3/8" serrated socket pin screws (O) and .219 ID x .5 OD x .125" spacers (P).



Note: When attaching extension brackets (T) be sure to keep fasteners in the center of the slot.

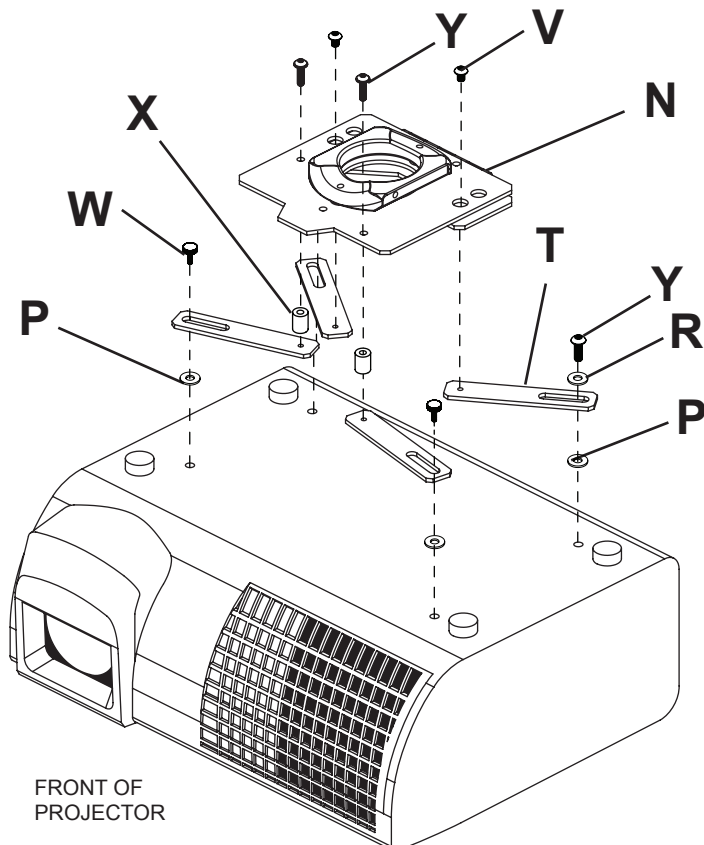


CORRECT

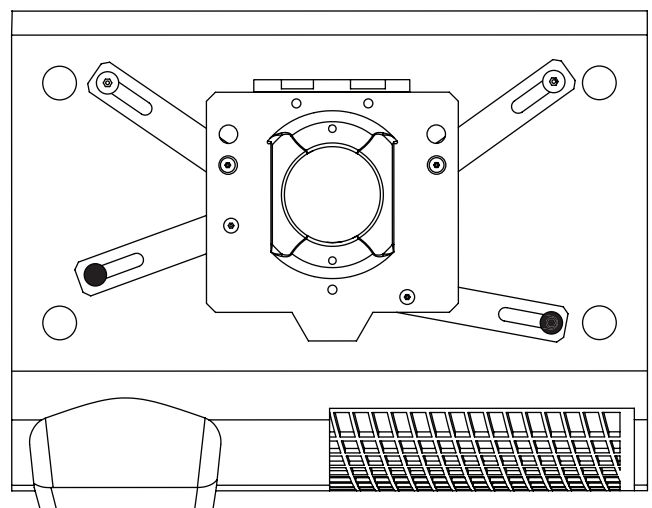


INCORRECT

- 7** Attach four extension brackets (T) to main adapter plate (N) using two M4 x 8 mm serrated socket pin screws (V), two M4 x 16 mm socket pin serrated washer head screws (Y), and two .198 x .313 x .375" spacers (X). Attach extension brackets (T) to projector using four .219 ID x .5 OD x .125" spacers (P), two #8 flat washers (R), two M4 x 16 mm socket pin serrated washer head screws (Y), and two M4 x 12 mm knobs (W). Tighten using 4mm security allen wrench (C).



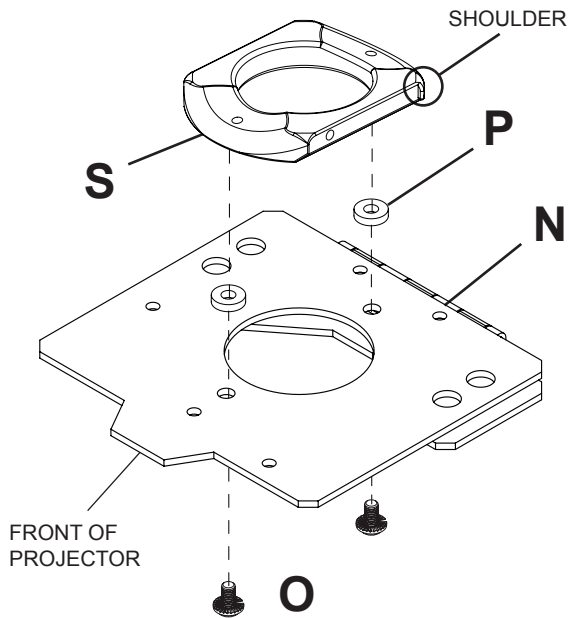
MOUNT PLATE (N) USING MOUNTING HOLES AS SHOWN



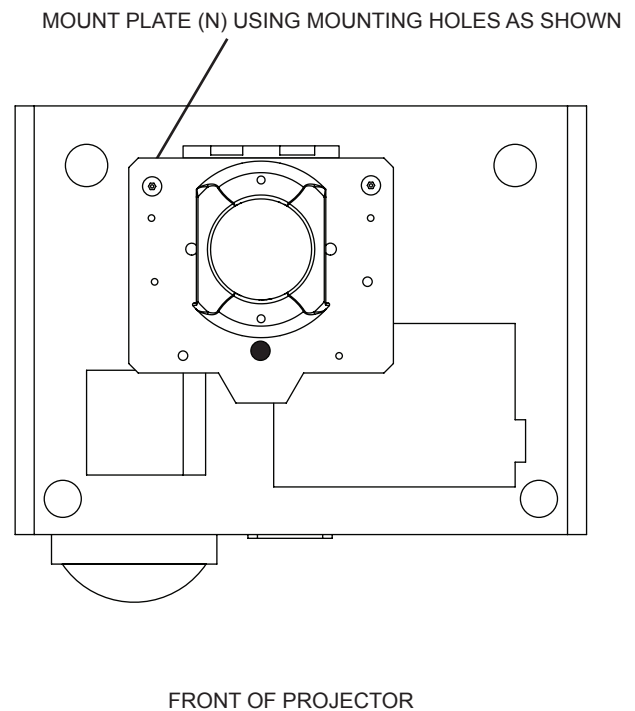
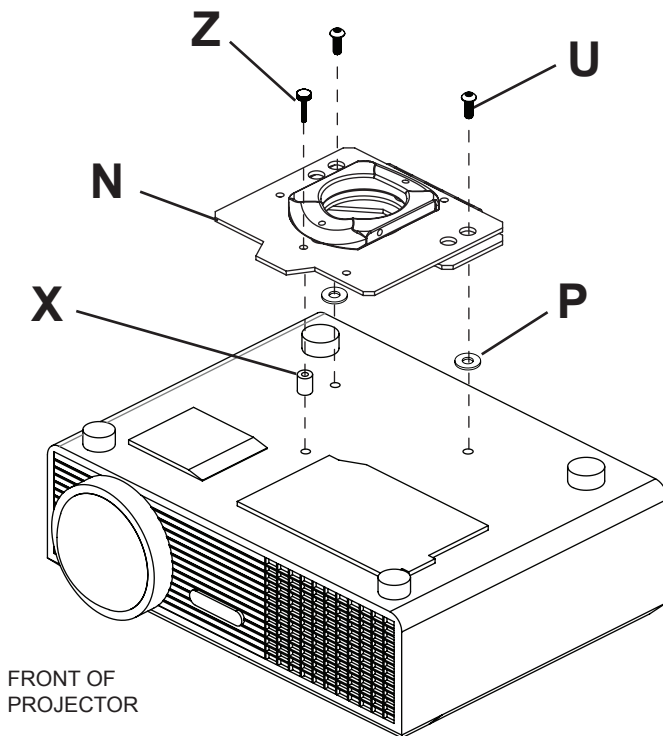
FRONT OF PROJECTOR

Configuration 2

- 6** Attach connection block (**S**) to adapter plate (**N**) using two #10-32 x 3/8" serrated socket pin screws (**O**) and .219 ID x .5 OD x .125" spacers (**P**).



- 7** Attach adapter plate (**N**) to projector using two .219 ID x .5 OD x .125" spacers (**P**), two M3 x 12 mm socket pin serrated washer head screws (**U**), one .198 x .313 x .375" spacer (**X**), and one M3 x 20 mm knob (**Z**). Tighten using 2mm security allen wrench (**AA**).

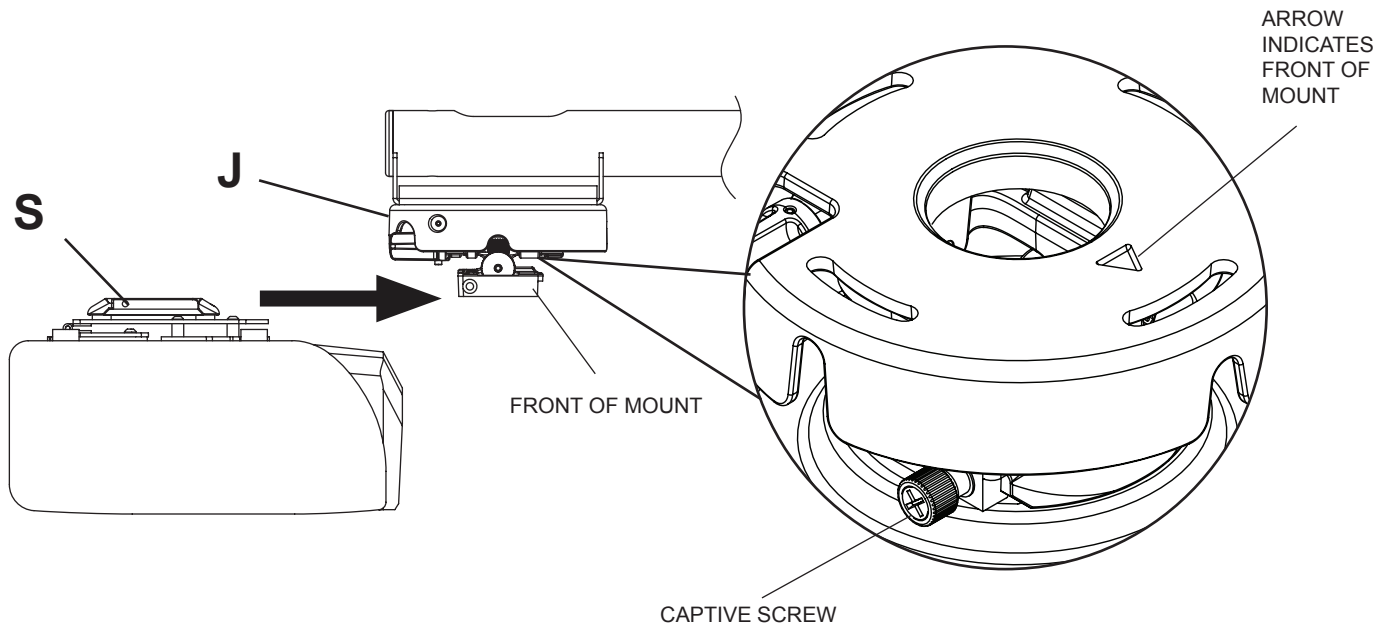


Attaching Adapter Plate to Projector Mount

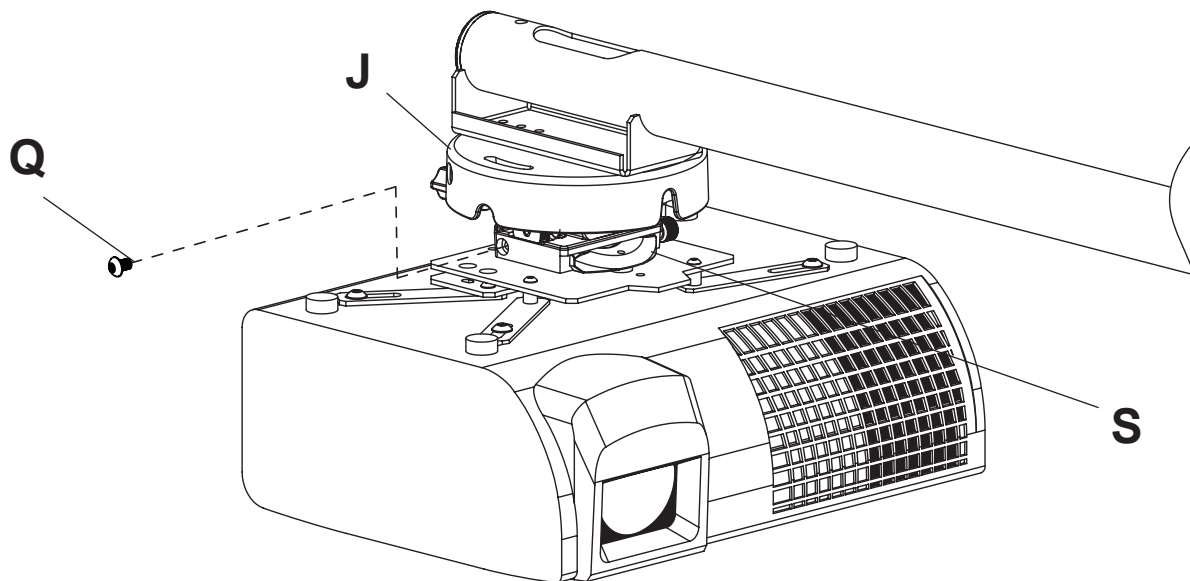
⚠ WARNING

- Do not lift more weight than you can handle. Use additional man power or mechanical lifting equipment to safely handle placement of the screen.

- 8** Slide connection block (**S**) through precision gear projector mount (**J**) as shown. Tighten captive screw to secure precision gear projector mount (**J**).



- 9** **IMPORTANT:** For security installations, insert one #10-32 x 1/4" socket pin screw (**Q**) through precision gear projector mount (**J**) and into connection block (**S**) as shown. Tighten screw using 4mm security allen wrench (**C**).

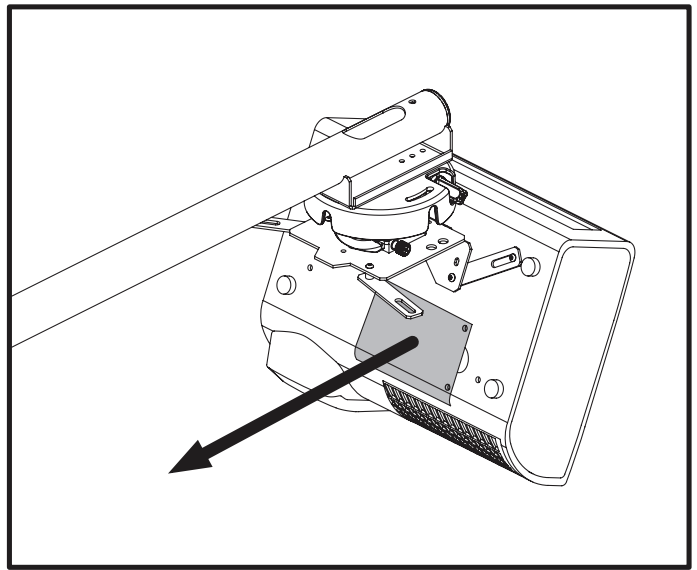
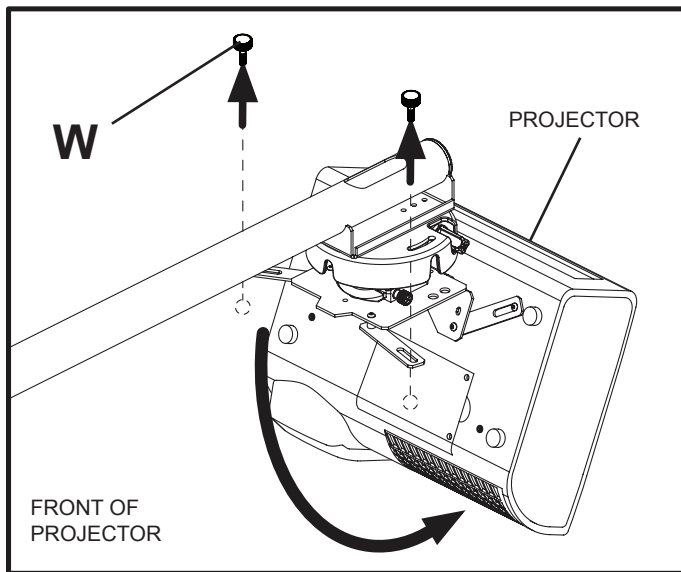


Accessing Projector Light Bulb

Configuration 1

- 10** To access the projector light bulb, remove two M4 x 12 mm knobs (**W**) attached to front extension brackets as shown below.

NOTE: Don't discard two .219 ID x .5 OD x .125" spacers (**P**).



Configuration 2

- 10** To access the projector light bulb, remove one M3 x 20 mm knob (**Z**) attached to front extension brackets as shown below.

NOTE: Don't discard .219 ID x .5 OD x .125" spacers (**P**).

